

Establish site GW gradient (direction and magnitude) using site specific groundwater and geology information.

Calculate capture zone for DW wells most potentially at risk*, which may include up gradient, downgradient, and/or side gradient wells. This may require iterative calculations. Does the capture zone of any of these wells intersect the proposed aquifer exemption boundary?

YES

NO

Assess corrective action options:

1. Move well
2. Adjust proposed AEB
3. Is an isolated fresh water zone available?
4. Plug and abandon well
5. Disconnect well from potential DW usage

Can Corrective Active be implemented?

YES

Continue processing the aquifer exemption request

NO

The Aquifer Exemption cannot be granted

*At risk wells are selected based on combination of high pumping rate, location, gradient, and site geology.